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### Cell Lines

**ATCC Number:** CRL-1632

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**Price:** \$215.00

**Designation:** tk- ts13

**Depositors:** R. Baserga

**Biosafety Level:** 1

**Shipped:** frozen

**Medium & Serum:** [See Propagation](#)

**Growth Properties:** adherent

**Organism:** *Mesocricetus auratus* (hamster, Syrian golden)

**Tissue:** kidney

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#### Related Cell Culture Products

#### Comments:

The tk-ts13 cell line is a derivative of BHK-21. The cells are temperature sensitive for growth, and are thymidine kinase deficient (TK-). The line is an efficient host for transfection studies. The cells should be grown at 34C.

#### Applications:

transfection host  
Can be transfected at a high rate of efficiency.

#### Propagation:



ATCC medium:  
Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate

	and 4.5 g/L glucose, 90%; fetal bovine serum, 10% Temperature: 34.0 C
<b>Subculturing:</b>	Remove medium, rinse with fresh 0.25% trypsin, 0.02% versene solution, remove trypsin and let the culture sit at room temperature (or at 37C) until the cells detach (about 10 minutes). Add fresh medium, aspirate and dispense into new flasks Inoculate new cultures at 2 X 10 exp4 cells/sq cm.
<b>References:</b>	<p><u>26118</u>: Talavera A , et al. Temperature sensitive mutants of BHK cells affected in cell cycle progression. J. Cell. Physiol. 92: 425-436, 1977. PubMed: <u>903382</u></p> <p><u>32471</u>: Black ME , et al. Creation of drug-specific herpes simplex virus type 1 thymidine kinase mutants for gene therapy. Proc. Natl. Acad. Sci. USA 93: 3525-3529, 1996. PubMed: <u>8622970</u></p> <p><u>41386</u>: Shen YM , et al. Superimposition of temperature regulation on yeast promoters. Mol. Cell. Biol. 2: 1145-1154; 1982. PubMed: <u>6294505</u></p>

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